

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings of claims in the application.

Claims 1 through 11 (cancelled).

Claim 12. (currently amended) An aqueous polyurethane dispersion comprising

A) a polyurethane prepolymer having an NCO content of from about 2 to about 4 ~~about 1 to about 6~~% by weight, prepared by reacting:

- a) an isocyanate selected from the group consisting of
 - i) an aliphatic and/or a cycloaliphatic isocyanate,
 - ii) a mixture of an aromatic isocyanate and an aliphatic and/or a cycloaliphatic isocyanate,
- b) a di- or polyhydroxy compound having a number average molecular weight of from 700 to about 16,000, and
- c) optionally, a dihydroxy and/or polyhydroxyl compound having a number average molecular weight of less than 700,

with the provisos that

- 1) at least one of components a), b) or c) has a functionality of more than 2 and
- 2) if both component a) and component b) are difunctional, component c) cannot be a trihydroxy component of the formula:



where R is a saturated straight chain or branched chain aliphatic group of from 2 to 8 carbon atoms.

- B) a compound having an anionic or potentially anionic group and two groups which are reactive to isocyanate groups, and
- C) a chain extender having two amine groups which are reactive with isocyanate groups.

Claim 13. (previously presented) The dispersion of Claim 12, wherein component b) comprises at least 60% by weight of at least one polyoxypropylene glycol.

Claims 14 though 16 (cancelled).

Claim 17. (previously presented) The dispersion of Claim 12 wherein component c) is a polyether triol.

Claim 18. (cancelled)

Claim 19. (previously presented) A polyurethane film produced from the dispersion of Claim 12.

Claim 20. (previously presented) A polyurethane film which is resistant to isopropanol produced from the dispersion of Claim 12.

Claim 21. (previously presented) A polyurethane glove or condom produced from the dispersion of Claim 12.

Claim 22. (new) The dispersion of Claim 12, wherein said component B) is a diamine or polyamine which contains alkali metal sulfonate groups.

Claim 23. (new) The dispersion of Claim 22, wherein said component B) is an alkali metal salt of N-(2-aminoethyl)-2-aminoethane sulfonic acid.

Claim 24. (new) The dispersion of Claim 22, wherein said components B) and C) are used as a mixture.

Claim 25. (new) An aqueous polyurethane dispersion comprising

A) a polyurethane prepolymer having an NCO content of from about 1 to about 6% by weight, prepared by reacting:

- a) an isocyanate mixture comprising: (1) from 5 to 50% by weight of an aliphatic and/or cycloaliphatic isocyanate and (2) from 50 to 95% by weight of an aromatic diisocyanate.
- b) a di- or polyhydroxy compound having a number average molecular weight of from 700 to about 16,000, and
- c) optionally, a dihydroxy and/or polyhydroxyl compound having a number average molecular weight of less than 700,

with the provisos that

- 1) at least one of components a), b) or c) has a functionality of more than 2 and
- 3) if both component a) and component b) are difunctional, component c) cannot be a trihydroxy component of the formula:



where R is a saturated straight chain or branched chain aliphatic group of from 2 to 8 carbon atoms.

- B) a compound having an anionic or potentially anionic group and two groups which are reactive to isocyanate groups, and
- C) a chain extender having two amine groups which are reactive with isocyanate groups.

Claim 26. (new) The dispersion of Claim 24, wherein component b) is a polyether polyol based on at least one polyoxypropylene diol having a number average molecular weight of from about 1000 to about 8000 and having an unsaturated terminal group content of less than or equal to 0.02 milliequivalents per gram polyol.

Claim 27. (new) An aqueous polyurethane dispersion comprising

- A) a polyurethane prepolymer having an NCO content of from about 1 to about 6% by weight, prepared by reacting:
 - a) an isocyanate selected from the group consisting of
 - i) an aliphatic and/or a cycloaliphatic isocyanate,

- ii) a mixture of an aromatic isocyanate and an aliphatic and/or a cycloaliphatic isocyanate,
- b) a polyether polyol based on at least one polyoxypropylene diol having a number average molecular weight of from about 1000 to about 8000 dalton and having an unsaturated terminal group content of less than or equal to 0.02 milliequivalents per gram polyol, and
- c) optionally, a dihydroxy and/or polyhydroxyl compound having a number average molecular weight of less than 700,

with the provisos that

- 1) at least one of components a), b) or c) has a functionality of more than 2 and
- 4) if both component a) and component b) are difunctional, component c) cannot be a trihydroxy component of the formula:



where R is a saturated straight chain or branched chain aliphatic group of from 2 to 8 carbon atoms.

- B) a compound having an anionic or potentially anionic group and two groups which are reactive to isocyanate groups, and
- C) a chain extender having two amine groups which are reactive with isocyanate groups.